

mcq Chapter No. 6. Chemical changes

① only arrangement of molecules within the substance change is       

(a) physical change

(b) chemical change

→ (a) physical change.

② decomposition by the absorption of electrical energy is known as       

(a) photochemical reaction

(b) electrolysis

(c) photosynthesis

(d) bioluminescence

→ (b) electrolysis.

③ Endothermic Reaction define? & Endo Exothermic Reaction?

→ chemical reactions which liberate heat are called exothermic reactions.

• those which absorb heat are called endothermic reactions.

④ what is physical changes?

During a physical change, only a change in the arrangement of molecules occurs. Hence it can be easily brought back to its original state. In the case of chemical changes new molecules are formed.

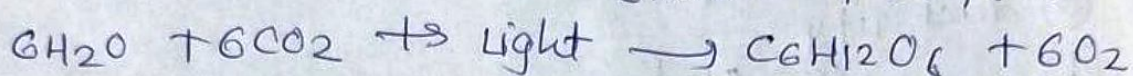
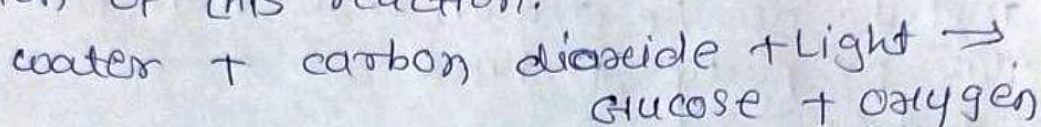
⑤ what is photosynthesis?

→ Green plants are highly essential for sustaining life on earth. Leaves are the food factories of nature. In the presence of sunlight, chlorophyll in plants prepare glucose using carbon dioxide & water. This glucose is converted to starch & stored in the leaves, fruits & tubers of plants. Green plants alone can prepare glucose in this manner.

⑥ Explain Photochemical reactions ?

→ Photosynthesis is a chemical reaction that is responsible for sustaining life on earth.

In this reaction, plants produce glucose by absorbing light. Note the chemical equation of this reaction.



The glucose thus formed is stored by plants in the form of starch.

⑦ Define photochemical reaction ?

→ chemical reactions which liberate or absorb light energy are known as photochemical reaction.

⑧ Explain Electrochemical cells?

→ Electricity is produced as a result of a chemical reaction between the acid and the metal kept immersed in it. Such arrangements which produce electricity as a result of chemical reaction are known as Electrochemical reaction cells.

⑨ use of different type of cells - ?

cells are widely used sources of electrical energy.

① Dry cell → used in Radios, cameras, clocks, Toys.

② mercury cell → used in watches, calculator, electronic instruments.

③ Nickel Cadmium cell → Rechargeable torches, cameras.

④ Lithium ion cell → mobile phone, Laptops.